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MORRISON & FOERSTER LLP

Attorneys at Law

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To: U.S. Patent and Trademark Office
MS Amendment

Facsimile: (703) 872-9306**From:** Kate H. Murashige**Date:** December 20, 2004

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Comments:

Attorney Docket: 220002016004
 Group Art Unit: 1647
 Examiner: C. Saoud
 Serial No.: 08/487,312
 Filing Date: June 7, 1995
 Inventor(s): Walter L. MILLER et al.
 Title: BOVINE GROWTH HORMONE

Papers attached:

1. Transmittal Form PTO/SB/21 (1 page)
2. Fee Transmittal PTO/SB/17 (1 page + duplicate)
3. Voluntary Amendment (6 pages)
4. Copy of Goeddel, D.V., et al., Nature (1979) 281:544 (5 pages);
5. Copy of U.S. Patent No. 4,658,021 (13 pages)

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TRANSMITTAL FORM

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Total Number of Pages in This Submission

28

Application Number	08/487,312
Filing Date	June 7, 1995
First Named Inventor	Walter L. MILLER
Art Unit	1647
Examiner Name	C. Saoud
Attorney Docket Number	220002016004

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (1 page + duplicate for fee processing)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply (6 pages)	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Copy of Goeddel, D.V., et al., Nature (1979) 281:544 (5 pages); Copy of U.S. Patent 4,658,021 (13 pages); Fax cover to PTO, MS Assignments (1 page)
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
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<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	MORRISON & FOERSTER LLP		
Signature			
Printed name	Kate H. Murashige		
Date	December 20, 2004	Reg. No.	29,959

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PTO/SB/17 (11-04)

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 36.00)

Complete if Known

Application Number	08/487,312
Filing Date	June 7, 1995
First Named Inventor	Walter L. MILLER
Examiner Name	C. Saoud
Art Unit	1647
Attorney Docket No.	220002016004

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order
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The Director is authorized to: (check all that apply)

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FEE CALCULATION (continued)

2. EXTRA CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20	18	9
Each independent claim over 3	88	44
Multiple dependent claims	300	150
For Reissues, each claim over 20 and more than in the original patent	18	9
For Reissues, each independent claim more than in the original patent	88	44

Total Claims Extra Claims Fee (\$) Fee Paid (\$)

$$22 - 20 \text{ or HP} = 2 \times 18.00 = 36.00$$

HP= highest number of total claims paid for, if greater than 20

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

$$1 - 3 \text{ or HP} = \times 18.00 = 0.00$$

HP= highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims Fee (\$) Fee Paid (\$)

Subtotal (2) \$ 36.00

3. OTHER FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)	Fee Paid
1-month extension of time	110	55	_____
2-month extension of time	430	215	_____
3-month extension of time	980	490	_____
4-month extension of time	1,530	765	_____
5-month extension of time	2,080	1,040	_____
Information disclosure stmt. Fee	180	180	_____
37 CFR 1.17(q) processing fee	50	50	_____
Non-English specification	130	130	_____
Notice of Appeal	340	170	_____
Filing a brief in support of appeal	340	170	_____
Request for oral hearing	300	150	_____
Other: _____			

Subtotal (3) \$ 0.00

SUBMITTED BY

Signature	Kate H. Murashige	Registration No. (Attorney/Agent)	29,959	Telephone	(858) 720-5112
Name (Print/Type)	Kate H. Murashige		Date	December 20, 2004	

sd-236034

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PTO/SB/17 (11-04)
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TOTAL AMOUNT OF PAYMENT (\$ 36.00)			

METHOD OF PAYMENT (check all that apply)		FEES CALCULATION (continued)																																																																													
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Deposit Account <input type="checkbox"/> None Deposit Account Number 03-1952 Deposit Account Name Morrison & Foerster LLP		2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th><u>Fee Description</u></th> <th><u>Fee (\$)</u></th> <th><u>Small Entity Fee (\$)</u></th> </tr> </thead> <tbody> <tr> <td>Each claim over 20</td> <td>18</td> <td>9</td> </tr> <tr> <td>Each independent claim over 3</td> <td>88</td> <td>44</td> </tr> <tr> <td>Multiple dependent claims</td> <td>300</td> <td>150</td> </tr> <tr> <td>For Reissues, each claim over 20 and more than in the original patent</td> <td>18</td> <td>9</td> </tr> <tr> <td>For Reissues, each independent claim more than in the original patent</td> <td>88</td> <td>44</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee (\$)</th> <th>Fee Paid (\$)</th> </tr> </thead> <tbody> <tr> <td>22</td> <td>- 20 or HP = 2</td> <td>x 18.00</td> <td>= 36.00</td> </tr> <tr> <td colspan="4">HP= highest number of total claims paid for, if greater than 20</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Indep. Claims</th> <th>Extra Claims</th> <th>Fee (\$)</th> <th>Fee Paid (\$)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>- 3 or HP =</td> <td>x</td> <td>= 0.00</td> </tr> <tr> <td colspan="4">HP= highest number of independent claims paid for, if greater than 3</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Multiple Dependent Claims</th> <th>Fee (\$)</th> <th>Fee Paid (\$)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2" style="text-align: right;">Subtotal (2) \$ 36.00</th> </tr> </thead> </table>		<u>Fee Description</u>	<u>Fee (\$)</u>	<u>Small Entity Fee (\$)</u>	Each claim over 20	18	9	Each independent claim over 3	88	44	Multiple dependent claims	300	150	For Reissues, each claim over 20 and more than in the original patent	18	9	For Reissues, each independent claim more than in the original patent	88	44	Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	22	- 20 or HP = 2	x 18.00	= 36.00	HP= highest number of total claims paid for, if greater than 20				Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	1	- 3 or HP =	x	= 0.00	HP= highest number of independent claims paid for, if greater than 3				Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)				Subtotal (2) \$ 36.00																											
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Signature	<i>Kate H. Murashige</i>		Registration No. (Attorney/Agent)	29,959	Telephone (858) 720-5112
Name (Print/Type)	Kate H. Murashige		Date	December 20, 2004	

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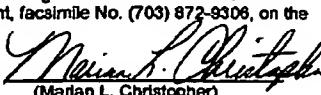
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Dated: December 20, 2004

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(Marian L. Christopher)

Docket No.: 220002016004
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Walter L. MILLER et al.

Application No.: 08/487,312

Art Unit: 1647

Filed: June 7, 1995

Examiner: Christine J. Saoud

For: BOVINE GROWTH HORMONE

VOLUNTARY AMENDMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed with this submission are Goeddel, D. V., *et al.*, *Nature* (1979) 281:544; and U.S. patent 4,658,021.

Prior to examination of the claims in the reopened prosecution, please amend the claims as follows:

sd-235258